IBS GROUPE

STERNMED®

Xenox C200

Mobile c-arm

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Mobile c-arm

Xenox 200 is a highly reliable, tough and enduring mobile System for surgical fluoroscopy. Designed for granting the best performances with the maximum affordability.

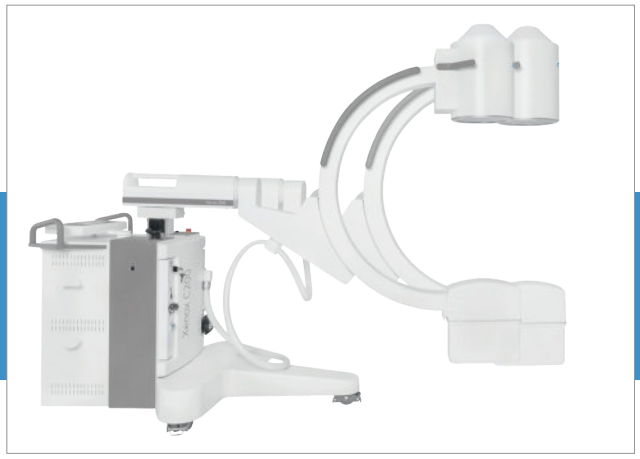
Its ease of handling, X-ray parameters, image quality and safety are some of its main advantages.

FEATURES

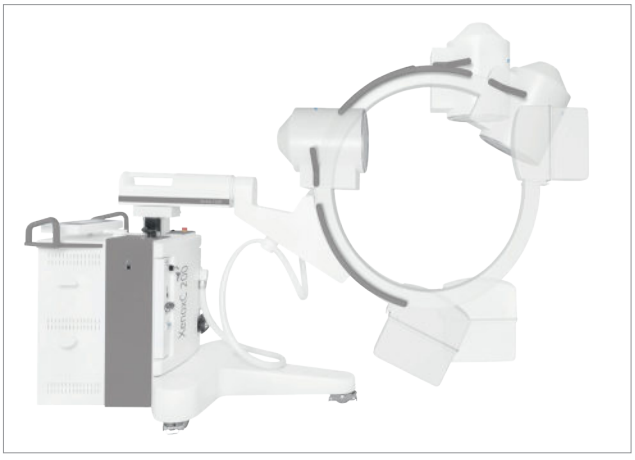
- 12“ and 9“ image intensifier option available
- High Frequency monoblock X-ray generator 5 KW
- Digital Soustraction Angiography (DSA) 25 frames/ses
- 1k CCD camera delivers sharp and detail-rich images
- HD memories with 350.000 images DVD, USB
- The work-sation equipped with 2 LCD monitors 19“
- Modular configurations even after sales
- Full Dicom(optional)
- 200 mm horizontal C-arm run, with manual brake for locking
- Orbital movement 125°
- 270° on each side arm rotation, with manual brake for locking.
- 12° on each side C-arm swivelling with manual brake for locking.

APPLICATIONS

- Traumatology
- Orthopedics
- Digestive system
- Generic Surgery
- Biliary drainage and stenting
- Image guided biopsy
- Neonatology and pediatrics
- Lithotripsy



210 mm horizontal Run

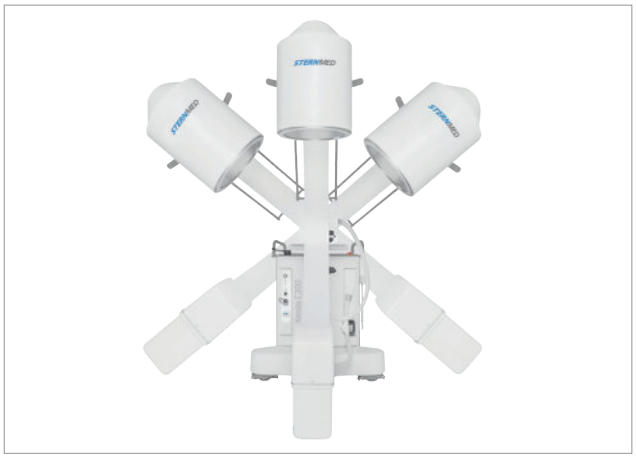


Wide orbital movement: 135° (+93°4 ÷ -42°)

AVAILABLE MODELS

Xenox C200 (with rotating anode tube or stationary one & Image Intensifier 9" or 12"- NEW Memory: RTP

Display station
Two 19" LCD monitors



Arm rotation around the horizontal axis: ± 270°

Membrane keyboard with alphanumeric touch-screen 5.7" LCD display for all the operative parameters and error messages. Microprocessor management. Key-board can be rotated of ± 60°

Ease of handling, X-ray parameters, image quality and safety are just some of its peculiarities.

Extra vertical run key

Triple footswitch fluoroscopy control

Lateral control panel

X-ray hand switch with extensible cable

AFG & DFG monitor trolley keyboard

OPERATING MODES AND FUNCTIONALITY

OPERATING MODALITIES OF (RTP) MEMORY

- CONTINUOUS FLUOROSCOPY
- PULSED FLUOROSCOPY (2/sec, 1/sec, 1/3sec - without acquisition on hard disk; 1,3,6,12,25 fps with acquisition on hard disk)
- DIGITAL SNAPSHOT
- FLUOROSCOPY mA (1/2): (range: 0,25-4 mA)
- RADIOGRAPHY: 2 points technique (kV and mAs)
- CINE sequence: up to 25 fps. (included in basic configuration)

(RTP) Video processing

- Number of images on Hard Disk: about 110.000 (Hard Disk 250GB)
- Video signal: Digital camera 1 kx1 k
- Video output: 2 x DVI 1280x1024
- Image format of the working memory: 1024 x 1024 x 12 bit
- Image format: 1024 x 1024 x 12 bit
- Number of monitors: 2-19" LCD
- Optional Hard disks: 500 GB (About 220.000 images) or 1 TB (About 440.000 images)

(RTP) Software

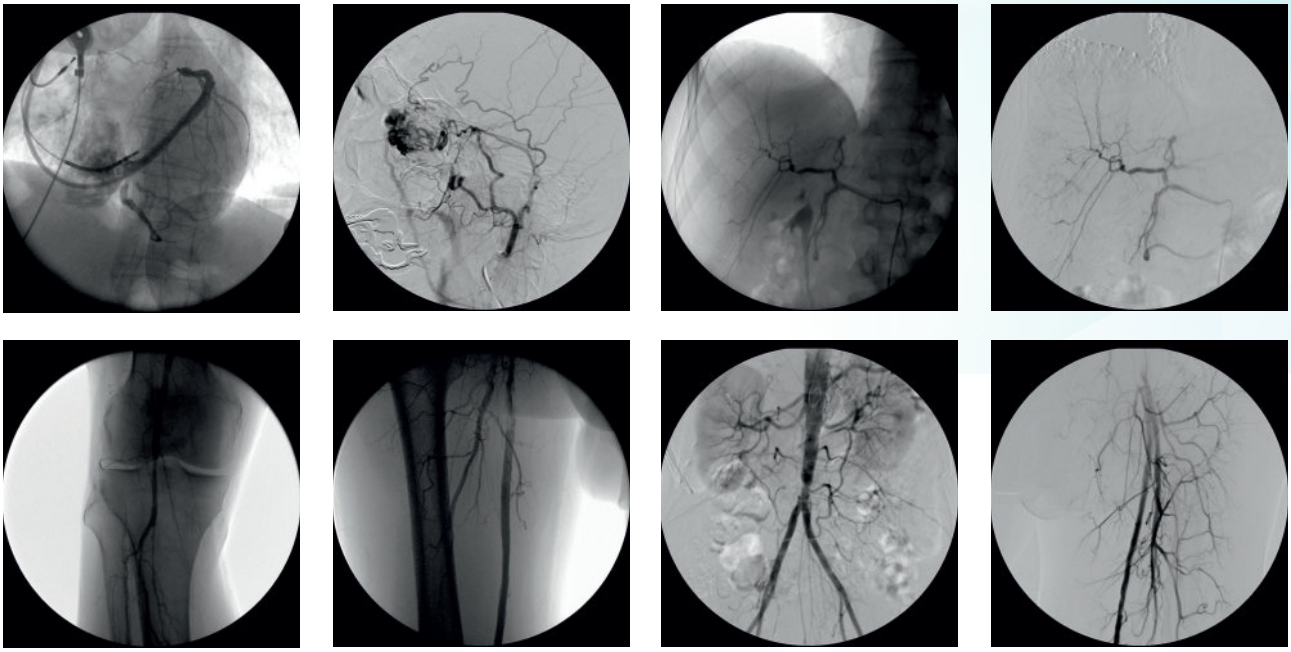
- FUNCTIONS: selection of anatomic programs; recursive filter (1,2,4,8,16); edge enhancement Smooth, Normal, Sharp in post processing; smart filter with «motion detection^; brightness and contrast; virtual collimator, horizontal and vertical flip; electronic rotation at 1 ° step; Electronic zoom factor from 1,2 to 3; Electronic lens factor from 1,2 to 3; Overview (4,9,16 images); Text editing; Dose report; Patients archive; Interface for network Ethernet TCP/IP; Export single BMP image on USB; Cineloop rewiew; Programmed acquirement sequences: 1,3,6,12,25 fps; Grey scale inversion; max opacity fluoroscopy acquirement;
- MEASURE TOOLS (included in basic configuration): length, angles, stenosis, length calibration on reference object measure; text overlay
- DSA TOOLS (Option): Subtraction in real time with manual/automatic mask; shifting pixels; Land Marking;

(RTP) OPTION!

If options are present all the relative functions are activated

- DICOM OPTIONS AVAILABLE: Dicom VERIFY (SCU/SCP), Dicom STORAGE, Dicom WORKLIST (SCU), Dicom PRINT (SCU), Dicom CDR/DVD, Dicom QUERY/RETRIEVE (SCU), Dicom MPPS (CPU), Dicom STORAGE COMMITMENT (SCU)
- Thermal printer
- Patient radiation dose measuring device (DAP chamber)
- Laser localizer for centering the anatomical area to be examined on the I.I. side
- 24x30 cm or 18x24 cm or 10x12" Cassette Holder (9" I.I.)
- 35x35 cm Cassette Holder (12" 1.1.)

EXCELLENT CLINICAL IMAGES



TECHNICAL SPECIFICATIONS
Xenox C200 | SternMed Mobile C-arm

Power Supply	230 Vac ±10% standard monophase 105 / 115 / 125 / 220 / 240 Vac ±10% With Automatic Line compensation.
Frequency	Frequency: 50/60 Hz ±5 Hz

	Stationary - 9”	**Rotating - 9”**	**Rotating -12”**
Horizontal run	210 mm	210 mm	210 mm
Motorized Vertical run	500 mm *	500 mm*	460 mm**
Arc orbital Movement	135°	135°	135°
WIG-WAG	± 12,5°	±12,5°	±12,5°
Focus-skin distance:	218mm	200mm	200mm
Min. distance from floor:	172	150	130
Useful space	770 mm	770 mm	720 mm
C-arm depth	690 mm	690 mm	690 mm
S. I. D.	988 mm	980 mm	920 mm
Arm rotation around horizontal axis	±270°	±270°	±270°
	*motorized in 60 sec.; **motorized in 55 sec.		

RADIOLOGICAL		
Generator power in DC current	“S” 3,5 kW	“R” 5 kW (3,5 kW@115 Vac)
Generator operating frequency	40 kHz	40 kHz
KV range	40 110 kV	40 -h 120 kV
Max current in continuous fluoroscopy	8,0 mA	8,0 mA
Max current in «SNAPSHOT» fluoroscopy	10 mA	30 mA
Max current in HCF with DFG (HRP)	/	30 mA
Max current in pulsed fluorography with DFG (HRP) Max current in digital graphy-mode with DFG (HRP)	/	60 mA@230 Vac; 45 mA@115 Vac
Max current in radiography (hi-rad)	/	60 mA@230 Vac; 45 mA@115 Vac
Max mas in radiography	25 mA @ 115 Vac 35 mA @ 230 Vac	35 mA @ 115 Vac 50 mA @ 230 Vac
MAX FLUOROSCOPY TIME	90 mAs @ 115 Vac - 125 mAs @ 230 Vac	90 mAs @ 115 Vac - 125 mAs @ 230 Vac
	H.U. Safety after 21 min of fluoroscopy @110 kV, 5 mA (550W)	H.U. Safety after 28 min of fluoroscopy @120 kV, 5 mA (600W)

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